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(54) **REDUCING OPTICAL INTERFERENCE IN A FLUIDIC DEVICE**(75) Inventors: **Ian Gibbons**, Portola Valley, CA (US); **Michael O'Connell**, San Jose, CA (US)(73) Assignee: **Theranos, Inc.**, Palo Alto, CA (US)

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C12M 1/34 (2006.01)(52) **U.S. Cl.** 435/288.5; 435/287.1; 435/288.7;
436/518; 436/543; 427/2.11; 427/2.13(58) **Field of Classification Search** 436/518,
436/164, 172; 422/58, 55, 52; 435/810
See application file for complete search history.(56) **References Cited**

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(57) **ABSTRACT**

This invention is in the field of medical devices. Specifically, the present invention provides portable medical devices that allow real-time detection of analytes from a biological fluid. The methods and devices are particularly useful for providing point-of-care testing for a variety of medical applications. In particular, the medical device reduces interference with an optical signal which is indicative of the presence of an analyte in a bodily sample.

18 Claims, 6 Drawing Sheets

